

ABSTRACT OF THE DISCLOSURE

A method for dynamic assignment of slot-dependent static network port addresses. Under the method, a slot address and shelf address are determined for a card modular platform board installed in a given slot in a shelf. The slot and shelf addresses are used as inputs to return a unique network address. The unique network address is then assigned as a static network address for the board's network port. The unique address may be provided by an address proxy, including a boot server. Firmware and/or software stored on a board may also be employed to obtain the static network address. The address may be obtained from a pre-configured lookup table, or dynamically determined using an algorithm.